

BRALATHI BANGALORE MATHANAGARA PALIKI (BBMP)									
PROJECT: CONSTRUCTION OF OLD AGE HOMES AND OTHER BUILDINGS IN JP PARK IN WARD NO 17, RAJARAJESWARINAGAR, BANGALORE									
Detailed estimate for electrical works for Office complex building									
B.O.Q for Main Building as per SR 2018-2019 - Bangalore Circle for civil works , SR 2019-2020 Bangalore circle for Electrical works									
Sl No	Description	unit	L1	L2	B	H	Qty	Rate	Amount
INTERNAL ELECTRICAL WORKS									
1	Point wiring using copper wire without switch								
	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, copper conductor flexible multi-strand FRIS PVC insulated, 2x 1.5sqmm cable conforming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block, complete for each outlet								
	Point wiring using class A Materials								
	a) Short point upto 3.0M from tapping point to outlet via switch box	POINT	1	50.00			50.00	200.00	10,000.00
	Item no 2-2.1.1-P No 5 Ele SR2019-2020								
	b) Medium point above 3.0M upto 6.0M from tapping point to outlet via switch box	POINT	1	80.00			80.00	275.00	22,000.00
	Item no 2-2.1.2-P No 5 Ele SR2019-2020								
	c) Long point above 6.0M upto 10.0M from tapping point to outlet via switch box	POINT	1	40.00			40.00	400.00	16,000.00
	Item no 2-2.1.3-P No 5 Ele SR2019-2020								
	d) Two outlet in a row, above 3.0M upto 6.0M from tapping point to outlet via switch box	POINT	1	10.00			10.00	525.00	5,250.00
	Item no 2-2.1.4-P No 6 Ele SR2019-2020								
	e) Three outlet in a row, above 6.0M upto 10.0M from tapping point to outlet via switch box	POINT	1	2.00			2.00	750.00	1,500.00
	Item no 2-2.1.5-P No 6 Ele SR2019-2020			182.00					
2	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.Cwall								
	d) 1-3Way	Each	1	10.00			10.00	95.00	950.00
	Item no 3- 3.4.1-P No 9 SR 2019-20								
	d) 6 Way	Each	1	10.00			10.00	125.00	1,250.00
	Item no 3- 3.4.3-P No 9 SR 2019-20								
	d) 8Way	Each	1	30.00			30.00	145.00	4,350.00
	Item no 3- 3.4.4-P No 9 SR 2019-20								
	e) 10-12Way	Each	1	30.00			30.00	165.00	4,950.00
	Item no 3-3.4.5-P No 9 SR 2019-20								
3	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.								
	a) 1-3Module	Each	1	10.00			10.00	110.00	1,100.00
	Item no 3- 3.5.1-P No 9 SR 2019-20								
	b) 6 Module	Each	1	10.00			10.00	175.00	1,750.00
	Item no 3- 3.5.3-P No 9 SR 2019-20								
	c) 8 Module	Each	1	30.00			30.00	200.00	6,000.00
	Item no 3-3.5.4-P No 9 SR 2019-20								
	d) 10-12Module	Each	1	30.00			30.00	230.00	6,900.00
	Item no 3-3.5.5-P No 9 SR 2019-20								
4	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293								
	Group 'A' Material								
	a) 6Amps one Way	Each	1	150.00			150.00	70.00	10,500.00
	Item no 3-3.6.1-P No 10 SR 2019-20								
	b) 6Amps Two way	Each	1	6.00			6.00	95.00	570.00
	Item no 3-3.6.2-P No 10 SR 2019-20								
	c) 6Amps 3way socket	Each	1	40.00			40.00	105.00	4,200.00
	Item no 3-3.6.3-P No 10 SR 2019-20								
	d) Stepped fan Regulator	Each	1	50.00			50.00	290.00	14,500.00
	Item no 3-3.6.4-P No 10 SR 2019-20								
	e) 16Amps one way switch	Each	1	20.00			20.00	115.00	2,300.00
	Item no 3-3.6.8-P No 10 SR 2019-20								
	f) 6Amps Bell push	Each	1	2.00			2.00	96.00	192.00
	item no 3-3.6.9-P No 10 SR 2019-20								
	g) 6/16Amps universal socket	Each	1	30.00			30.00	162.00	4,860.00
	Item no 3-3.6.11-P No 10 SR 2019-20								

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SI No	Description	unit	L1	L2	B	H	Qty	Rate	Amount
	h) TV/Telephone socket	Each	1	6.00			6.00	79.00	474.00
	Item no 3-3.6.12-P No 10 SR 2019-20								
5	Supply and fixing of 6Amps bell buzzer on existing switch board.								
	Item no 3.14.8-P No 11 SR 2019-20	Each	1	2.00			2.00	114.00	228.00
	CONCEALED Conduit System:								
6	Supplying following size heavy gauge PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVC junction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary								
	a) 19mm dia 2mm thick	Mtr	1	800.00			800.00	40.00	32,000.00
	Item no 1-1.2.1-P no 2								
	b) 25mm dia 2mm thick	Mtr	1	300.00			300.00	53.00	15,900.00
	Item no 1-1.2.2-P no 2								
	c) 32mm dia 2.5mm thick	Mtr	1	20.00			20.00	83.00	1,660.00
	Item no 1-1.2.3-P no 2								
7	Supplying heavy gauge pvc conduit pipe ...dia...mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U & J hooks and Cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit where ever necessary.								
	a) 19/ 20 mm dia 2mm thick	Mtr	1	900.00			900.00	51.00	45,900.00
	Item no 1-1.3.1-P no 2								
	b) 25 mm dia 2mm thick	Mtr	1	300.00			300.00	54.00	16,200.00
	Item no 1-1.3.2-P no 2								
8	Wiring for lighting/power circuit using one of FRIS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A.								
	a) 1.5sqmm	M	1	2000.00			2000.00	20.50	41,000.00
	Item no-2-2.3.2-P No -5								
	b) 2.5sqmm	M	1	3000.00			3000.00	32.00	96,000.00
	Item no 2-2.3.3-P No -6								
	c) 4sqmm	M	1	1200.00			1200.00	45.00	54,000.00
	Item no 2-2.3.4-P No -6								
	f) 16sqmm	M	1	0.00			0.00	171.00	-
	Item no 2-2.3.7-P No -6								
9	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.I - Single Door								
	8Way SP &N -	Each	1	4.00			4.00	960.00	3,840.00
	Item no-5.18.3 -P No -28								
10	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door								
	6Way TP & N	Each	1	2.00			2.00	3330.00	6,660.00
	Item no-5.18.10 -P No -28								
11	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker (ELMCB) 240/450V upto 300mA sensitivity on existing wood/panel board.								
	b) 32- 40 Amps 4 pole	Each	1	1.00			1.00	2500.00	2,500.00
	Item no-5-5.20.2 -P No -28								
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required. confirming to IEC 60898.								
	a) 6-32A SP MCB	Each	1	25.00			25.00	434.00	10,850.00
	Item no-5-17.1-P No -27								
	b) 6-32AMPS DP MCB	Each	1	2.00			2.00	909.00	1,818.00
	Item no-5-17.4-P No -27								
	b) 6-32AMPS TPN MCB	Each	1	1.00			1.00	1715.00	1,715.00
	Item no-5-17.7-P No -27								
	Supply of Fittings								
13	FLUORESCENT LIGHT FIXTURES								

Sl No	Description	unit	L1	L2	B	H	Qty	Rate	Amount
a	Supplying of feet - PVC Batten with integrated LED tube W with high quality diffuser with life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.-LED light lighting 1 x 4' : 20/22 w	No		50			50.00	375.00	18,750.00
14	PWD Electrical SR(2019-20) P-64, I. no - 12.3.2	No							
14	Supplying and fixing PBBC / bakelite straight or slant batten holder and wiring with 60W/230 VOLTS/18W CFL lamp	Each	1	25			25.00	88.00	2,200.00
	Item No 4-4.2-P No -20 Kpwd Ele SR 14-15	Each	1						
15	Supplying and. fixing cast Aluminium round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp as required	Each	1	5			5.00	952.00	4,760.00
	Item no-4-4.2-P No -20 Kpwd Ele SR 14-15	Each	1						
16	Supplying of recess mounting non integral type LED W luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded face ceiling clamps, Power LEDs with CCT 6500 degree K, CRI> 70%, efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/HIC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage, short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/ CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition						10.00	5200.00	52,000.00
	LED modular down light 2'x2' / 1' x 4' 34-36watt	No	1	10					
	Item no-12.6.2 -P No -65								
17	Supply of round/square recess/surface mounted rolling type LED Down light with W GU 10 LED Lamp Rib Fabricated from Die cast aluminium with white powder coated prewired to mains connector & has swiveling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition	Each	1	10			10.00	504.00	5,040.00
	LED square or round down light 5-6W	Each	1	10					
	Item no-12.5.1 -P No -65								
18	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable for operate on 230V 50Hz, AC Supply complete.	Each	1	10			10.00	2100.00	21,000.00
	12" sweep	Each	1	10					
	Item no-7.2.1-P No -46								
19	Supplying capacitor type 48" sweep ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. single phase AC supply confirmf to ISS-374-1979 and with double ball bearing system.								
	Economy Model						48.00	2090.00	100,320.00
	Page,46 Item No: 7.3.1, Of Ele SR - 2019-2020	Each	1	48.00					
	Reguler Model						5.00	2127.00	10,635.00
	Page,46 Item No: 7.3.2, Of Ele SR - 2019-2020								
20	Supplying wall mounting fan suitable to operate at single phase 230V AC Supply.	Each	1	2			2.00	2800.00	5,600.00
	400mm sweep								
	Item no-7.5.2-P No -46								
21	Fixing all types and allcapacities fluorescent / false ceiling/spotlight/ LED fittings indoor on the wall/ ceiling/rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required nos of round blocks and clamps (if required)	Each	1	90			90.00	110.00	9,900.00
	a)On wall/Ceiling/Rafters/Girders								
	Item no-14.7-P No -79								
22	Fixing a ceiling/Wall mounting fan of all capacities and all types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring completely.	Each	1	65.00			65.00	150.00	9,750.00
	Item no-14.8-P No -80								
NETWORKING & TELECOMMUNICATION									
23	Supplying and drawing PVC Flexible one pair telephone unarmoured tinned copper cable - 3 Pair	Rmt	1	1500.00			1500.00	10.00	15,000.00
	page,54 Item, No: 9.2.1 Of Ele SR - 2019-2020								

BANGALORE MAHANAGARA PALIKE (BEMPI)									
TAILED ESTIMATE FOR PROJECT: CONSTRUCTION OF OLD AGE HOMES AND OTHER BUILDINGS IN JP PARK IN WARD NO 17, RAJARAJESWARI NAGAR, BANGALORE.									
B.O.Q for Main Building as per SR 2018-2019 - Bangalore Circle for civil works , SR 2019 -2020 Bangalore circle for Electrical works									
PLUMBING AND SANITARY WORKS									
Sl No	Description of work	Unit	No	Dimensions			Rate	Amount	
{A}	PLUMBING AND SANITARY WORKS			L	B	D	Quantity	in Rs.	in Rs.
	SANITARY FIXTURES								
1	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No KBS 11								
	(P.No.79, I.No.12.2 of KPWD S.R 2018-19)	Each	4				4.00		
						Say	4.00	4561.92	19,707.49
2	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.								
	(P.No.79, I.No.12.5 of KPWD S.R 2018-19)								
	Ground Floor	Each	13				13.00		
						Say	13.00	5352.48	69,582.24
3	KSRB 11-9.1 : Providing and fixing white vitreous china clay, flat back or half stall urinal basin of size 580x380x350mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps C.I dtrap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.								
	(P.No.81, I.No.12.15 of KPWD S.R 2018-19)								
	All floors	Each	6				6.00		
						Say	6.00	5373.00	32,238.00
4	KSRB 11-11.1 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with single 15mm C.P brass pillar tap with single elbow operated lever, C.I / M.S brackets, 32 mm C.P.brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wher ever required, including cost of materials, labour complete as per specifications.								
	(P.No.83 & 84, I No.12.31 of KPWD S.R 2018-19)	Each							
	All floors		20				20.00		
						Say	20.00	4408.56	88,171.20
5	Providing & fixing Stainless steel Kitchen sink of Size 400x915 mm bowl depth 160 mm with drain board, MS / CI bracket, Stainless steel plug 40 mm, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.								
	(P.No.84, I.No.12.38 of KPWD S.R 2015-16)	Each	1				1.00		
	All floors					Say	1.00	6970.32	6,970.32
6	KSRB 11 - 15.1 : Providing and fixing 600x450mm Bevelled edge mirror of superior glass with 6mm thick hard board backing and fixed wooden cleats with CP screws, washers, including cost of materials, labour complete as per specifications.								
	(P.No.84, I.No.12.39 of KPWD S.R 2018-19)								
		Each	20				20.00		
						Say	20.00	1249.56	24,991.20
7	KSRB 11 - 17.2 : Providing and fixing C.P brass towel rail 600 mm length 20 mm with C.P bracket fixed to wooden cleats with CP brass screws, washers, including cost of materials, labour complete as per specifications.								
	(P.No.85, I.No.12.46 of KPWD S.R 2018-19)	Each	8				8.00		
						Say	8.00	727.92	5,823.36

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs	Amount in Rs
				L	B	D			
8	Providing & fixing CI Nahani trap of approved make conforming to ISI specification and construction of cistern in M 15 as per directions 1. 10.0 cms x 7.5 cms (P.No.90, I.No.12.113.1 of KPWD S.R 2018-19)	Each	50				50.00		
						Say	50.00	270.00	13,500.00
9	Providing and fixing CP. Health faucet with flexible hose, CP Angle valve, wall flange, supporting hook with screws, fixing materials and sealant to all sides of wall flange Make: Jaquar or equivalent - Market Rate	Each	15				15.00		
						Say	15.00	900.00	13,500.00
10	Providing and fixing in position C P soap dish with pair of fixing screws and fixing material complete								
	All floors	Each	10				10.00		
						Say	10.00	432.00	4,320.00
11	Providing and fixing in position Brass bib cock of approved quality 20 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. (P.No.93, I.No.13.24 of KPWD S.R 2018-19)	Each	30	1			30.00		
						Say	30.00	186.84	5,605.20
12	Providing and fixing in position brass Stop cock of approved quality 20 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. (P.No.93, I.No.13.27 of KPWD S.R 2018-19)	Each	10	1			10.00		
	All floors					Say	10.00	152.28	1,522.80
13	Providing and fixing in un plasticised PVC Connection pipe with brass union 15 mm nominal bore 450 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. (P.No.94, I.No.13.47 of KPWD S.R 2018-19)	SET							
	All floors		25	1			25.00		
						Say	25.00	285.12	7,128.00
14	Providing and fixing in position 25 mm nominal bore gun metal non return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. (P.No.95, I.No.13.52 of KPWD S.R 2018-19)	Each							
	All floors		1	2			2.00		
						Say	2.00	633.96	1,267.92
INTERNAL SEWERAGE SYSTEM									
15	KSRB 13-9 : Providing and fixing to wall, ceiling and floor , High density polyethylene pipes 6.00 kgf /sqcm working pressure 63 mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour and HOM of equipments with all leads complete as per								
	a) 63 mm dia (P.No.96, I.No.13.73.2 of KPWD S.R 2018-19)	m	1	20			20.00	401.76	8,035.20
	b) 75 mm dia (P.No.96, I.No.13.73.3 of KPWD S.R 2018-19)	m	1	30			30.00	459.00	13,770.00
	c) 90 mm dia (P.No.96, I.No.13.73.4 of KPWD S.R 2018-19)	m	1	50			50.00	537.84	26,892.00
	d) 110 mm dia (P.No.96, I.No.13.73.5 of KPWD S.R 2018-19)	m	1	50			50.00	642.60	32,130.00
16	Providing & Fixing in position heavy duty C P grating with frame of below mentioned sizes including jointing and fixing material complete.								
	a) 75 mm dia Make: ESS ESS / Equivalent -Market Rate	Each	1	50			50.00	162.00	8,100.00
INTERNAL WATER SUPPLY SYSTEM									

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs	Amount in Rs
				L	B	D			
17	KSRB13 :85: Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brass threaded fittings including fixing the pipes with the clamp at 1.00 mtr spacing. This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (Internal works) (Concealed work including cutting chases and good the walls etc.)								
	(P.No.99, I.No.13.86 of KPWD S.R 2018-19)	M							
	A)15mm dia pipe nominal OD pipes (13.86.1)		1	30			30.00	222.48	6,674.40
	B)20 mm dia pipe nominal OD pipes (13.86.2)		1	100			100.00	253.80	25,380.00
18	KSRB 13-6.3-1: Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification no: KBS 13.2.6/								
	(P.No.93 & 94, I.No of KPWD S.R 2018-19)	Each							
	a) of 20mm dia - 13.33		1	12			12.00	362.88	4,354.56
	b) of 25mm dia - 13.34		1	2			2.00	484.92	969.84
	c) of 32mm dia - 13.35		1	2			2.00	896.40	1,792.80
	d) of 50mm dia - 13.37		1	1			1.00	1878.12	1,878.12
19	Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre								
	Make: Sintex/equivalent	Ltr							
	(P.No.96, I.No.13.78 of KPWD S.R 2016-17)	Each	4	1			4.00	7374.24	29,496.96
	EXTERNAL WATER SUPPLY								
20	KSRB13 :87: Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all cpvc plain and brass threaded fittings including fixing the pipes with the clamp at . This includes joining of pipes fittings with one set of cpvc solvent cement and testing of joints complete (External works)								
	15mm dia pipe nominal OD pipes	m	1	5			5.00	126.00	630.00
	(P.No.99, I.No.13.87.1 of KPWD S.R 2018-19)								
	20 mm dia pipe nominal OD pipes	m	1	50			50.00	146.00	7,300.00
	(P.No.99, I.No.13.87.2 of KPWD S.R 2018-19)								
	25 mm dia pipe nominal OD pipes	m	1	50			50.00	179.00	8,950.00
	(P.No.99, I.No.13.87.3 of KPWD S.R 2018-19)								
	32 mm dia pipe nominal OD pipes	m	1	100			100.00	226.00	22,600.00
	(P.No.99, I.No.13.87.4 of KPWD S.R 2018-19)								
	50 mm dia pipe nominal OD pipes	m							
	RingMain	m	1	100			100.00		
	Bore well to Sump	m	1	50			50.00		
	Sump to Over Head Tank	m	1	25			25.00		
	(P.No.99, I.No.13.87.6 of KPWD S.R 2018-19)						175.00	432.00	75,600.00
	EXTERNAL SEWERAGE SYSTEM								
21	KSRB 13-9 : Providing and fixing unplasticised PVC Pipes 10 Kg/Sq Cm working pressure Chemp plast/ Wavin or equivalent make with pipe fittings making good the floor, including cost of materials, labour charges, HOM of equipment & testing complete as per specifications.								
	(P.No 77, I.No.11.56.2 & 11.56.4 of KPWD S.R 2018-19)	M							
	b) 110 mm dia		1	100			100.00	606.00	60,600.00
	c) 160 mm dia		1	50			50.00	1252.00	62,600.00
22	Providing stone ware gully trap of approved quality and fixing in C.C 1:2:4 and plastering with C.M 1:3 where ever necessary (Rate including cost of all materials, fixtures and lead).								
	(P.No.90, I.No.12.112.2 of KPWD S.R 2018-19)	Each							
	Size: 15 cm x 10 cm		1	10			10.00	280.00	2,800.00

BRAUATH BANGALORE MAHA									
DETAILED ESTIMATE FOR PROJECT: CONSTRUCTION OF OLD AND OTHER BUILDINGS IN JP PARK IN									
WARD NO 17, RAJARAJESWARI									
B.O.Q for Main Building as per SR 2018-2019 - Bangalore Circle for civil works , SR 2019 -2020 Bangalore circle for Electrical works									
Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
1	Earth work excavation for foundation of structures upto 3 mtrs.by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 100km lead, including cost of labour, materials and H.O.M etc., complete do. In all types of soils								
	(P.No.8, I.No.2.23.1 of PW,P & IWTD S.R 2018-19)	Cum							
	Excavation for sump		1.0	7.50	5.80	2.50	108.75	56.16	6107.40
2	KSRB 4.1.2: Providing and laying in position plain cement concrete of nominal mix 1:3:6 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation and plinth, including cost of all materials, labour, H.O.M machinery, curing complete as per specifications. Specification No. KBS 4.1.2								
	(P.No.13, I.No.4.2 of PW, P&IWTD SR 2018-19)	Cum							
	Bed Concrete		1.0	7.00	5.30	0.10	3.71	5698.62	21141.88
3	Providing and laying cement concrete using 20 mm and down size granite jelly of Ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel, fabrication charges and plastering.)								
	Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M 30	cum							
	(P.No.19, I.No.4.49 & I No.4.49.3 of PW, P&IWTD SR								
	Raft		1.0	6.85	5.15	0.23	8.11		
	RCC Walls								
	long walls		2.0	5.65	0.23	2.50	6.36		
	short walls		2.0	3.50	0.23	2.50	3.94		
	Sump Roof slab			5.65	3.95	0.15	3.35		
						Total	21.76	6191.64	134700.37
4	KSRB 4 6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.28 of PW, P&IWTD SR 2018-19)	Sqm							
	For bed concrete shuttering			24.60		0.10	2.46		
	Raft shuttering			24.00		0.30	7.20		
						Total	9.66	278.64	2691.66
5	KSRB 4. 6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.31 of PW, P&IWTD SR 2018-19)	Sqm							
	RCC Wall shuttering outside			19.20		2.50	48.00		
	RCC Wall shuttering inside		1.0	17.40		2.50	43.50		
						Total	91.50	386.64	35377.56
6	KSRB 4 6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.29.2 of PW, P&IWTD SR 2018-19)	sqm							

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Sump Roof slab								
	Main area		1.0	5.20	3.50		18.20		
	Sides			19.20		0.15	2.88		
						Total	21.08	432.00	9106.56
7	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:1, to concrete wall including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	KSRB15.4.1 Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:1, 12mm thick cost of materials complete as per specifications								
	(P.No.115, I.No.15.10 & P.No.116, I.No.15.21 of PW, P&I WTD SR 2018-19)	Sqm							
	Inside plastering for Sump		1.0	17.40		2.50	43.50		
						Total	43.50	225.72	9818.82
8	KSRB15.3.7 Providing 18mm thick cement plaster in single coat with cement mortar 1:1, to concrete wall including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	KSRB15.4.1 Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:1, 18mm thick cost of materials complete as per specifications								
	(P.No.116 & I.No.15.16 & I.No.15.26 of PW, P&I WTD SR 2018-19)	Sqm							
	Outside plastering for sump			19.20		2.65	50.88		
						Total	50.88	290.52	14781.66
9	KSRB15.3.13 Providing 12mm thick cement plaster in single coat with cement mortar 1:1, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.								
	(P.No.116, I.No.15.22 of PW, P&I WTD SR 2018-19)	Sqm							
	Ceiling plastering for sump		1.0	5.20	3.50		18.20		
						Total	18.20	243.00	4422.60
10	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/ or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS 4.6.3 Fe-500								
	(P.No.18, I.No.4.46.2 of PW, P&I WTD SR 2018-19)	tones							
	Consider 135 kg/cum					kg's	ton		
	Total RCC quantity * 135			21.76	135.00	2936.95	2.94	76643.28	225097.63
11	Providing and applying Polymer based water proofing slurry having chemical resistance properties, capable of withstanding a Temperature of 200 DegC for Protective Negative coating for Water Dampness & seepages, comprising of Portland cement, Lime stone, Silica sand, Alumina cement, sodium aluminate in the form of powder composition at 3.30 kgs mixed with 1.0 liter of Acrylic emulsion, applied on 0.64 Sqm area/liter of slurry on a cleaned surface free of loose materials etc, complete on all masonry structures, overhead tank, sump tank, water closet areas, sunken slab and other such areas, filling tile joints, capable of Self curing within 3 to 4 hours of its application in normal atmospheric condition, including cost of all materials, labour charges, HOM etc., complete.								
	(P.No.70, I.No.10.9 of PW, P&I WTD SR 2018-19)	Sqm							
	Inside Sump area		1.0	17.40		2.50	43.50	2988.36	129993.66
12	Providing and fixing Sump cover of size 610X455mm of 38kg weight including with all lead & lift, loading & unloading, cost of materials and other incidental charges etc., complete as per specification and as per the directions by the Engineer in charge of the work.								
	(P.No.XXIV of PW,P&I WTD SR 2018-19)	Each							
	Sump openings		1.0				1.00	2288.13	2288.13
13	Providing 20mm square PVC Encapsulated SS Rungs and fixing in sump with M10 cement concrete block of 20*20*10 cms, using 20mm and down size metal of size including cost of materials, labour charges, curing etc. complete								
	(Market Rate)	Each	3.0				3.00	334.80	1004.40

OLD AGE HOME

CONSTRUCTION OF OLD AGE HOMES AND OTHER BUILDINGS IN JP PARK IN WARD NO 17, RAJAJAESHWARI NAGAR, BANGALORE

Sl No	Description of work	Unit	No	Dimensions				Quantity	Rate	Amount
				L	B	D			in Rs.	in Rs.
14	Provision of 5 HP / 37 KW 10 Stage VITANA / SUGENA / CRIKRI Cask VR/and other equivalent three phase submersible pump for Sump tank							1	29776.00	29776.00
	Pg no XII Sl. No 5, PWP & WTD SR 2018-19	Each							29776.00	29776.00
	Misc.								Total	626308.33
										691.67
										627000.00
										112860.00
	GRAND TOTAL								ADD GST 18%	
								Total		739860.00

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BRUHAT BENGALURU MAHANAGARA PALIKE

PROJECT: CONSTRUCTION OF OLD AGE HOMES AND OTHER BUILDINGS IN JP PARK IN WARD NO 17,
RAJARAJESWARI NAGAR, BANGALORE.

FOR OLD AGE HOME

Detailed Estimate of Compound Wall

Sl No.	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
1	Compound wall								
1	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications								
	(P.No.6, I.No.2.3 of PW, P&I WTD SR 2018-19)								
	For Footings	Cum	55	1.80	1.80	1.20	213.84		
							213.84	322.92	69053.21
2	of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 No. 406								
	(P.No.13, I.No.4.3 of PW, P&I WTD SR 2018-19)								
	For Footings	Cum	55	1.80	1.80	0.15	26.73		
	Bottom of Plinth Beam	Cum	1	158.00	0.23	0.15	5.45		
							32.18	5583.06	179668.45
3	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m ³ having a minimum average compressive strength of 4.00 N/mm ² conforming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. do - with solid concrete blocks of size 400x200x200mm								
	(P.No.27, I.No.5.26.1 of PW, P&I WTD SR 2018-19)	Sqm							
	Total Length		1	158.00	--	1.300	205.40		
	Deduct [Gate - 1]		-2	6.00	--	1.300	-15.60		
	Deduct [Gate - 2]		-2	3.00	--	1.300	-7.80		
						Total	182.00	1041.95	189634.70
4	KSRB15-3.4 : Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	(P.No.115, I.No.15.14 of PW, P&I WTD SR 2018-19)	Sqm							
	Total Length		2	158.00	--	1.300	410.80		
	Deduct [Gate - 1]		-2	6.00	--	1.300	-15.60		
	Deduct [Gate - 2]		-2	3.00	--	1.300	-7.80		
							387.40	226.26	87653.12
5	Providing and laying cement concrete using 20 mm and down size granite jelly of Ready mixed concrete (RMC) M-25 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel, fabrication charges and plastering.)								
	(P.No.19, I.No.4.49.2 of PW, P&I WTD SR 2018-19)	Cum							
	Footings		55	1.20	1.20	0.35	27.72		
	Columns-[230X230] Below Plinth Beam		55	0.23	0.23	0.70	2.04		
	Columns-[230X230] Below Above Plinth Beam		55	0.23	0.23	1.12	3.26		
	Plinth beam-[230X380]		1	158	0.23	0.38	13.81		
							46.82	6074.46	284433.49

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Sl No.	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs	Amount in Rs.
				L	B	D			
6	KSRB 4.6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KRS 4.6.2								
	(P.No.16, I.No.4.28 of PW, P&IWTD SR 2018-19)								
	Footings	Sqm	55	4.80		0.35	92.40	278.64	25746.34
7	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KRS 4.6.2								
	(P.No.16, I.No.4.28 of PW, P&IWTD SR 2018-19)								
	Columns [230X230] Below Plinth Beam	Sqmt	55	0.92		0.700	35.42		
	Columns [230X230] Below Above Plinth Beam		55	0.92		1.120	56.67		
							92.09	492.48	45353.00
8	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam haunching cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KRS 4.6.2 (P.No.17, I.No.4.34 of PW, P&IWTD SR 2018-19)								
	Plinth beam-[230X380]	Sqmt	1	158		0.38	60.04	315.36	18934.00
9	KSRB 4.9.2 Providing F.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/ or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, H.O.M of machinery complete as per specifications. Specification No KRS 4.6.3 Fe-500 - (P.No.18, I.No.4.46.2 of PW, P&IWTD SR 2018-19)								
	Footings	27.72	40 Kg/Cum				1108.80		
	Columns	5.30	150 Kg/Cum				794.29		
	Plinth Beams	13.81	150 Kg/Cum				2071.38		
							3.97		
						Total	3.97	76643.28	304617.00
10	KSRB 15-16.1 Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications with primer								
	(P.No.120, I.No.15.53.2 of PW, P&IWTD SR 2018-19)								
		Sqm	2	158.00	--	1.300	410.80	110.16	45253.73
11	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification.								
	(P.No.44, I.No.7.36 of PW, P&IWTD SR 2018-19)								
	Grill over front compound top	Sqm	1	50	--	0.6	30.00	5798.52	173955.60

Sl No.	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs	Amount in Rs.
				L	B	D			
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification.								
	(P.No.45, L.No.7.37 of PW, P&I WTD SR 2018-19)								
	Main Gate	Sqm	1	6.00	--	1.50	9.00		
	Back Gate	Sqm	1	3.00	--	1.50	4.50		
							13.50	3252.96	43914.96
Total Cost of Compound wall									1468217.61
ADD GST @ 12 %									176186.11
Grand Total									1644403.72

DETAILED ESTIMATE FOR PROJECT: CONSTRUCTION OF OLD AGE HOME
 BRAUATH BANGALORE
 NO 17,

NAGARA PALIKE (BBMP)

OLD AGE HOMES AND OTHER BUILDINGS IN JP PARK IN WARD
 NAGAR, BANGALORE.

SI No	Description of work	Estimate for Bore well including Submersible Pumpset					Quantity	Rate in Rs	Amount in Rs
		Unit	No	Length m	Breadth m	Depth m			
1	Geophysical investigation of site for sinking Bore - well for supplying drinking water to the habitation either through the Hand Pump, MWS or PWSS by vertical electrical sounding by adopting Vencer on Schlumbergers method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality quantity & accept - ability of the users indicating the location site, recommended depth of casing pipe required to seal the top unconsolidated formation, including an extra depth of 1.0 mtrs in consolidated formation for proper seating of casing depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personnel and labour required etc.								
	(PRIED (Bang Circle)SR 2012-13Page No 47, Item No 9.4	Each	1	--	--	--	1.00	3768.00	3768.00
2	Sinking of Borewell of 165mm dia clear, using superfast Hydraulic of capacity 250 PSIG and above 900 CFM and above in all strata including over burden upto 20m fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of Rig & supporting vehicle, crew charges & cost of consumables etccomplete including yield testing and the final depth with a minimum working compressor for one hour (excluding cost of casing pipes, collars and cap etc.)								
	(PRIED (Bang Circle)SR 2012-13Page No 47, Item No 9.1.1 to 9.1.6								
2.1	0.00 to 50.00 mtrs	Rmtr	1	50.00	--	--	50.00	347.00	17350.00
2.2	50.00 to 100.00mtrs	Rmtr	1	50.00	--	--	50.00	442.00	22100.00
2.3	100.00 to 150.00mtrs	Rmtr	1	50.00	--	--	50.00	456.00	22800.00
2.4	150.00 to 200.00mtrs	Rmtr	1	50.00	--	--	50.00	536.00	26800.00
2.5	200 to 250.00mtrs	Rmtr	1	50.00	--	--	50.00	634.00	31700.00
2.6	250 to 300.00mtrs	Rmtr	1	50.00	--	--	50.00	700.00	35000.00
3	Supply of ISI mark 175 mm nominal bore,plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick conforming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and conforming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded conforming to IS 554/1985, one end fixed with socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10Kg/mtr (inclusive of all taxes and duties). Prices including collar medium duty								
	(RIED SR 2012-13 P-iii, I-84)	Mtr	1	30.00	--	--	30.00	1325.00	39750.00
4	Providing and fixing 175mm dia borewell cap medium class(MR)								
	(RIED SR 2012-13 P-iii, I-85)	Nos	1	--	--	--	1.00	100.00	100.00
5	M.S. Casing pipe collars "B" class (MR)								
	(RIED SR 2012-13 P-iii, I-86)	Nos	1	5.00	--	--	5.00	150.00	750.00
7	Supply and delivery at site brand new submersible PUMPSET suitable for borewell of 150mm dai and having declared duty conditions as detailed below and satisfying performance characteristic for pump and motar as declared by Bureau of Indian Standards. The pump should confirm to IS 928 / 55 (with all its latest amendments) and should bear the ISI certification mark is 928/55. The pumpset should consist of bronze impellers, Discharge : 750 lph, Head 1.102.88 mts 10HP /7.5KW 20 Stage. ATLANTA,Suguna, CRI, Kirloskar or other equivalent pumps								
	Pg.no. XII.I.No. 29 PW,P & IWTD SR 2018-19	Nos	1	--	--	--	1.00	49955.00	49955.00
8	Supplying and drawing 3 core flat PVC sheathed Submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3class 5 of IS :8130 1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts.(Group B) -3C X 6.0Sq.mm								
	PWD Ele SR 2014-15 Pg no.12 SI no.2.11.4	Rmtr	1	300.00	--	--	300.00	163.50	49050.00

SI No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
9	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair of supporting clams, borewell cap, cable clips with bolts, nuts, valve gauges etc., involved in the job. BWSSB, Letter BWSSB/CE(M)/ACE(M)-11/TA-8/9194/2008-09 dated 21/1/09)								
	(PRFD SR 2012-13 P.56.1 10.3.10, 10.3.20, 10.3.21, 10.3.22(550+950+850+650=3000)						1.00	3000.00	3000.00
10	Supplying and fixing 50mm GI Union.	No	1	1					
	(PWD SR 2018-19, P-XXXXVII)	Nos	1	2			2.00	223.70	447.00
11	Supplying fully automatic star-delta Starter unit push button type with suitable wires, 3 contactor, one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired afterfixing to the existing wooden board for motor 15.0 HP								
	Ele SR 2014-15 Pg No 51 Sl No.6.2.2	Nos	1	1			1.00	8273.00	8273.00
12	Erection of single phase preventor ammeters/ including fixing selector switch/ current operated earth leakage circuit breakers voltage operated earth leakage circuit breakers voltage operated circuit breaker/ above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including wiring using suitable capacity wires, bolts, nuts, screws etc, including transportation charges from stores to spot								
	Ele Sr 2014-15 (P-115, It. No.17.14)	Nos	1	1			1.00	157.00	157.00
13	Fabricating, supplying and mounting 1200x900x350 mm MS box made out of 18 SWG suitable for floor/ wall mounting, fully weather proof with double started top as per drawing with provision for better heat dissipation provided with hinged front cover with clear clamped to the door on EB meter side to facilitate meter reading, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enameled metal plant etc, complete box of 36200 Sqcm, @ Rs.0.20 18 SWG								
	(BWSSB SR P-352, It No.41)	Nos	1	1			1.00	7866.00	7866.00
14	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required - 40 to 63 amps triple pole								
	Ele SR 14-15 P-54/55, It No.6.16.2)	Nos	1	1			1.00	677.00	677.00
15	Supplying and running of GI copper strip or grounding connection using necessary fixing material required 600x600x3mm GI plate								
	Ele Sr 2014-15 (P-62, Sl no.7.3.5)	Nos	1	1			1.00	784.00	784.00
16	Supplying and fixing Porcelain fuse channel with cut out on the existing wooden /panel using necessary nuts bolts and washer etc., complete.... - 16 Amps								
	(P-No.52, I.No.6.7.1 KPWD Ele SR 2014-15,	Nos	1	3			3.00	120.00	360.00
17	Providing and fixing in position brass gate valve with C.I. Wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete s per specifications. Specification No.KBS 13.2.6/ 13.3								
	(PWD SR 2018-19 P-93, It.No.13.37)	Nos	1	1			1.00	1739.00	1739.00
18	Supplying and laying of L.T.U.G cable having aluminium conductor PVC insulated shethed galvanised steel wire/steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 Sqmm PVC cable (								
	KPWD Elec SR 2014-15 Pg no.55 sl no.7.4.4	Mtr	1	1	25.00		25.00	140.40	3510.00
19	Labour charges for Laying of 1.1 KV Class UG cable 6 Sqmm to 16 sqmm (KPWD Elec SR 2014-15 Pg no.68 sl no.7.8.1								
		Mts	1	1	25.00		25.00	10.80	270.00
20	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating in Hard soil etc., complete. complete as per specifications and direction of the Engineer-in-Charge								
	(KPWD Electrical SR 2018-19 Pg no.68 sl no.7.9.1	Mtr	1	1	20.00		20.00	78.00	1560.00
21	Supplying and fixing Class-A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 65mm								
	(KPWD Ele SR 2014-15 Pg no.62 sl no.7.12.3	Mtr	1	1	10.00		10.00	585.00	5850.00

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SI No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	(P.No.335, I.No.39.21.2 of PW,P & IWTID S.R 2018-19)	Nos							
	Conference Room		1	--	--	--	1.00	21600.00	21,600.00
6	Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bonded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager - ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg, as per specifications, drawings and as directed by Engineer in charge								
	Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht.								
	(P.No.334, I.No.39.17.1 of PW,P & IWTID S.R 2018-19)	Nos							
	ILM Cabin		1	--	--	--	1.00	12916.80	12,916.80
7	Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bonded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager - ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg, as per specifications, drawings and as directed by Engineer in charge								
a	1500 mmW x 600mm D x 750 mm ht (Main table and Side table with Post formed table top)								
	(P.No.334, I.No.39.18.1 of PW,P & IWTID S.R 2018-19)	Nos							
	Staff Room		16	--	--	--	1.00	8478.00	135,648.00
b	1500 mmW x 540mm D x 750 mm ht (Main table with Post formed table top)								
	(P.No.334, I.No.39.18.4 of PW,P & IWTID S.R 2018-19)	Nos							
	For Class Room		28	--	--	--	1.00	8147.52	228,130.56
I	Compound wall								
1	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.								
	(P.No.6, I.No.2.3 of PW, P&IWTID SR 2018-19)								
	For Footings	Cum	40	1.80	1.80	1.20	155.52		
							155.52	322.92	50220.52
2	of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, H.O.M of machinery, curing complete as per specifications. Specification No. KIBS 4.1, 4.2 No. 406								
	(P.No.13, I.No.4.3 of PW, P&IWTID SR 2018-19)								
	For Footings	Cum	40	1.80	1.80	0.15	19.44		
	Bottom of Plinth Beam	Cum	1	125.00	0.23	0.15	4.31		
							23.75	5583.06	132611.63
3	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.- do - with solid concrete blocks of size 400x200x200mm								
	(P.No.27, I.No.5.26.1 of PW, P&IWTID SR 2018-19)	Sqm							
	Total Length		1	125	--	1.200	150.00		
	Deduct Gate 1		-1	6	--	1.500	-9.00		
							141.00	987.95	139300.79
4	KSRB15-3.4 : Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	(P.No.115, I.No.15.14 of PW, P&IWTID SR 2018-19)	Sqm							
	Total Length		2	125.00	--	1.200	300.00		
	Deduct [Gate - 1]		-1	6.00	--	1.500	-9.00		
							291.00	226.26	65841.66

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
5	Providing and laying cement concrete using 20 mm and down size granite jelly of Ready mixed concrete (RMC) M-25 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel, fabrication charges and plastering.)								
	(P.No.19, I.No.4.49.2 of PW, P&I WTD S.R 2018-19)	Cum							
	Footings		40	1.20	1.20	0.35	20.16		
	Columns-[230X230] Below Plinth Beam		40	0.23	0.23	0.70	1.48		
	Columns-[230X230] Below Above Plinth Beam		40	0.23	0.23	1.12	2.37		
	Plinth beam-[230X380]		1	125	0.23	0.38	10.93		
							34.94	6074.46	212218.06
6	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.28 of PW, P&I WTD S.R 2018-19)								
	Footings	Sqm	40	4.80	--	0.35	67.20	278.64	18724.61
7	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.32 of PW, P&I WTD S.R 2018-19)	Sqmt							
	Columns-[230X230] Below Plinth Beam		40	0.92	-	0.700	25.76		
	Columns-[230X230] Below Above Plinth Beam		40	0.92	-	1.120	41.22		
							66.98	492.48	32984.00
8	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PW, P&I WTD S.R 2018-19)								
	Plinth beam-[230X380]	Sqmt	1	125	-	0.38	47.50	315.36	14980.00
9	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/ or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No KBS 4.6.3 Fe-500 - (P.No.18, I.No.4.46.2 of PW, P&I WTD S.R 2018-19)								
	Footings	20.16	40	Kg/Cum			806.40		
	Columns	3.85	150	Kg/Cum			577.67		
	Plinth Beams	10.93	150	Kg/Cum			1638.75		
							3.02		
						Total	3.02	76643.28	231679.00
10	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer								
	(P.No.120, I.No.15.53.2 of PW, P&I WTD SR 2018-19)	Sqm	2	125.00	--	1.200	300.00	110.16	33048.00
11	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x 12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification.								
	(P.No.44, I.No.7.36 of PW, P&I WTD SR 2018-19)	Sqm	1	50.00	--	0.6	30.00	5798.52	173955.60
	Grill over Front compound top								
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification.								

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